

Background suppression sensor GLV30-8-H-150-IR/47/73c

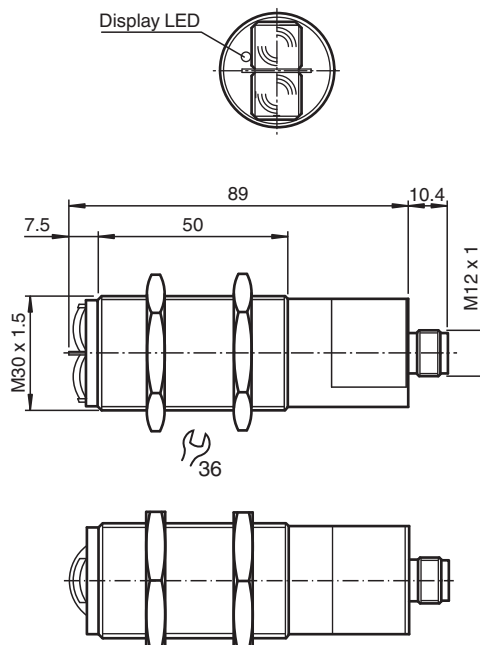


- M30 plastic housing
- Light-on/dark-on switching

Background suppression sensor



Dimensions



Release date: 2022-08-03 Date of issue: 2022-08-03 Filename: 419287_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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PEPPERL+FUCHS

Technical Data

General specifications

Detection range	20 ... 150 mm
Detection range min.	0 ... 145 mm
Detection range max.	0 ... 170 mm
Background suppression	starts from 180 mm
Light source	IRED
Light type	modulated infrared light
Black-white difference (6 %/90 %)	< 10 mm
Diameter of the light spot	4 mm at a distance of 150 mm
Opening angle	± 1 °
Ambient light limit	30000 Lux

Indicators/operating means

Function indicator	LED yellow, lights up if receiver is not lit
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Electrical specifications

Operating voltage	U _B	24 V DC ± 20 %
Ripple		10 %
No-load supply current	I ₀	30 mA

Output

Switching type		light/dark on
Signal output		2 PNP, complementary, short-circuit protected, reverse polarity protected
Switching voltage		max. 30 V DC
Switching current		max. 200 mA
Switching frequency	f	35 Hz
Response time		10 ms

Standard conformity

Standards	EN 60947-5-2
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Approvals and certificates

EAC conformity	TR CU 020/2011
CCC approval	CCC approval / marking not required for products rated ≤36 V
Approvals	CE

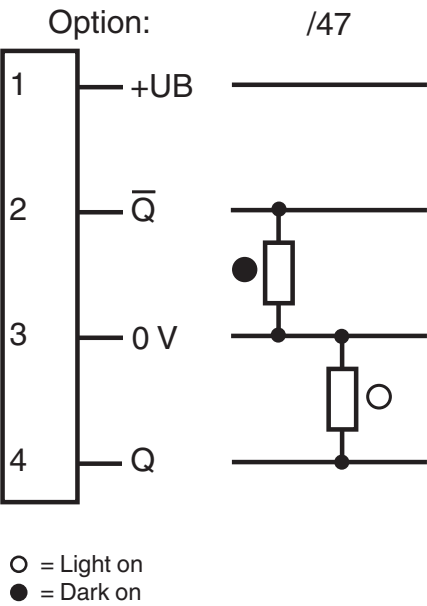
Ambient conditions

Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Storage temperature	-20 ... 75 °C (-4 ... 167 °F)

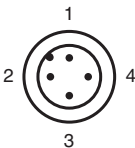
Mechanical specifications

Degree of protection	IP67
Connection	Plastic connector M12 x 1, 4-pin
Material	
Housing	ABS
Optical face	plastic lenses
Mass	approx. 70 g

Connection Assignment



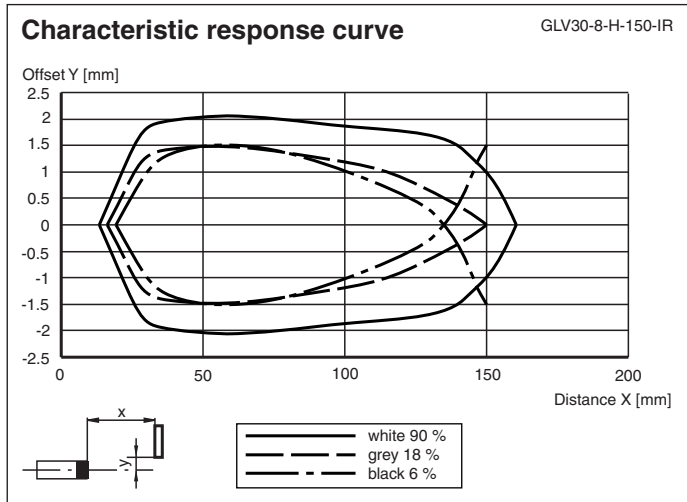
Connection Assignment



Wire colors in accordance with EN 60947-5-2

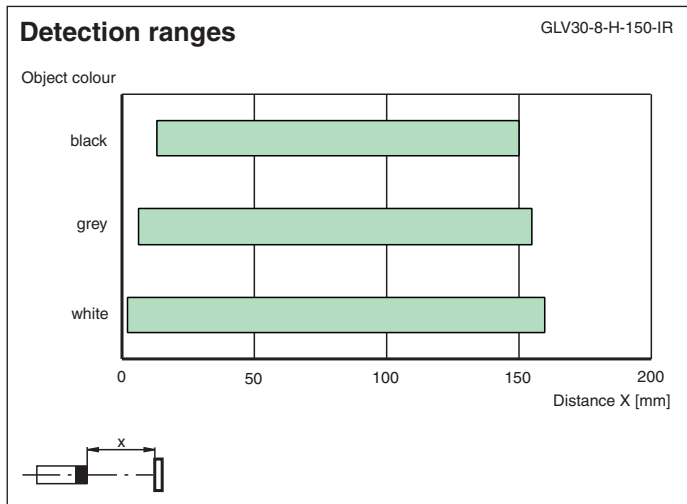
1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Characteristic Curve



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Characteristic Curve



Accessories

	V1-G-2M-PUR	Female cordset single-ended M12 straight A-coded, 4-pin, PUR cable grey
	V1-W-2M-PUR	Female cordset single-ended M12 angled A-coded, 4-pin, PUR cable grey
	BF 30	Mounting flange, 30 mm
	BF 30-F	Plastic mounting adapter, 30 mm

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